

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090123\
 Data File : BF135082.D
 Acq On : 01 Sep 2023 18:14
 Operator : CG\JU
 Sample : 04202-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-3

Quant Time: Sep 04 01:09:14 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 31 03:48:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

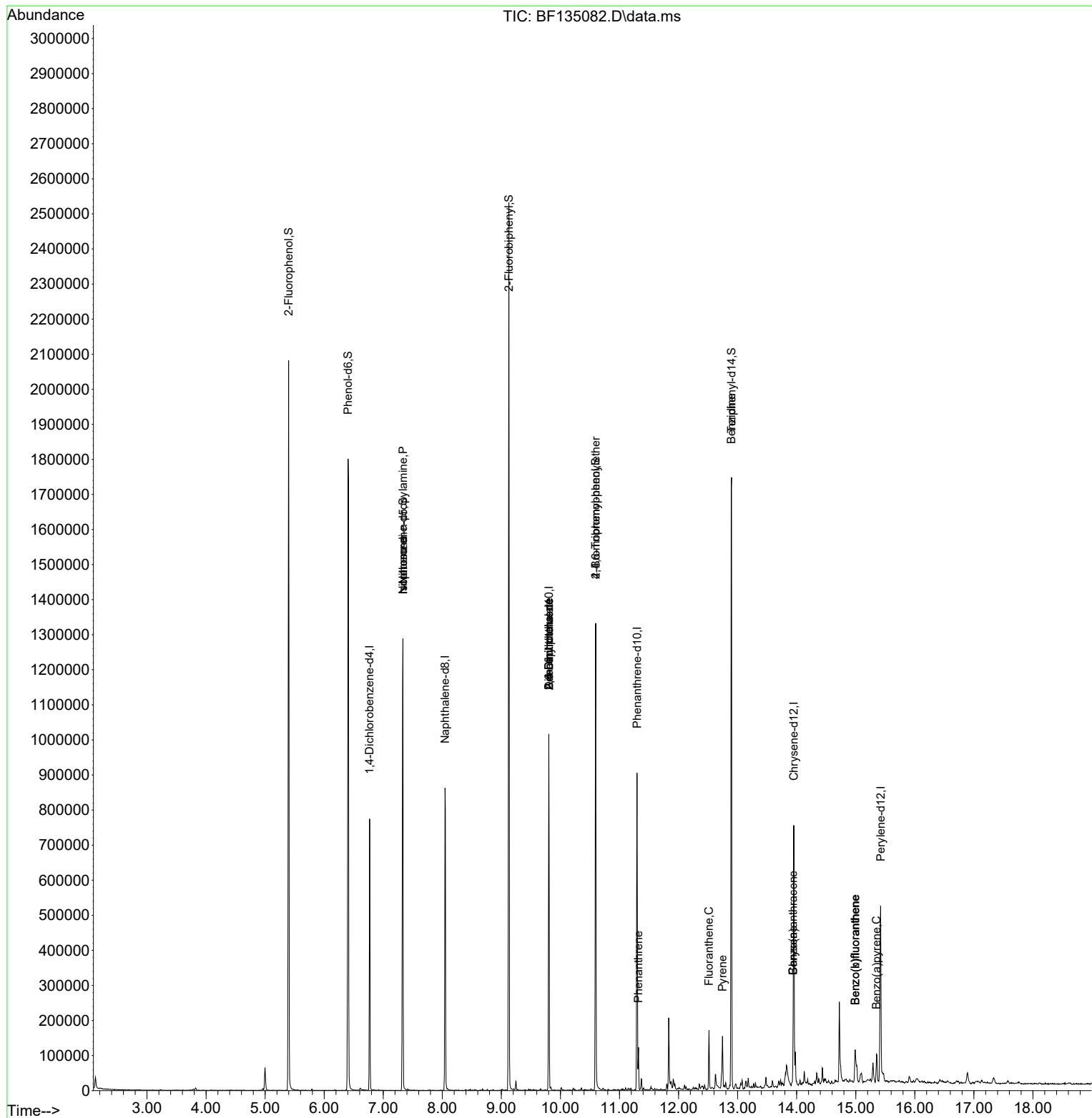
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.769	152	100438	20.000	ng	0.00
21) Naphthalene-d8	8.045	136	396526	20.000	ng	-0.01
39) Acenaphthene-d10	9.804	164	191590	20.000	ng	-0.01
64) Phenanthrene-d10	11.298	188	306119	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	214558	20.000	ng	-0.01
86) Perylene-d12	15.421	264	232801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.398	112	536037	82.436	ng	0.00
7) Phenol-d6	6.404	99	650148	80.217	ng	-0.01
23) Nitrobenzene-d5	7.334	82	407125	57.682	ng	-0.01
42) 2,4,6-Tribromophenol	10.598	330	153639	75.596	ng	-0.01
45) 2-Fluorobiphenyl	9.128	172	723658	61.496	ng	-0.01
79) Terphenyl-d14	12.898	244	626730	47.668	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.334	70	54252	11.269	ng	# 77
25) Isophorone	7.334	82	407120	30.423	ng	# 65
50) Dimethylphthalate	9.804	163	36115	2.692	ng	# 1
51) 2,6-Dinitrotoluene	9.804	165	23636	8.029	ng	# 22
57) 2,4-Dinitrotoluene	9.804	165	23636	6.443	ng	# 20
67) 4-Bromophenyl-phenylether	10.598	248	9836	3.029	ng	# 1
71) Phenanthrene	11.322	178	39644	2.510	ng	98
75) Fluoranthene	12.516	202	61907	3.877	ng	97
77) Benzidine	12.892	184	7903	2.043	ng	# 93
78) Pyrene	12.745	202	57758	2.835	ng	100
81) Benzo(a)anthracene	13.939	228	42587	2.910	ng	98
83) Chrysene	13.939	228	42587	2.961	ng	97
88) Benzo(b)fluoranthene	14.992	252	65383	4.514	ng	98
89) Benzo(k)fluoranthene	14.992	252	65383	4.672	ng	97
90) Benzo(a)pyrene	15.351	252	37467	2.784	ng	97

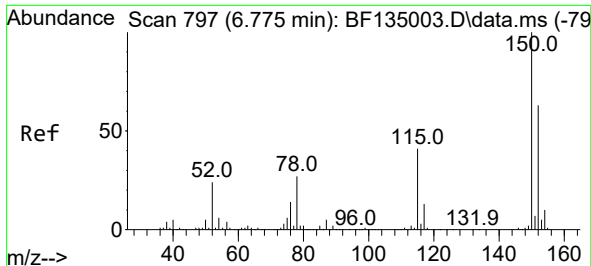
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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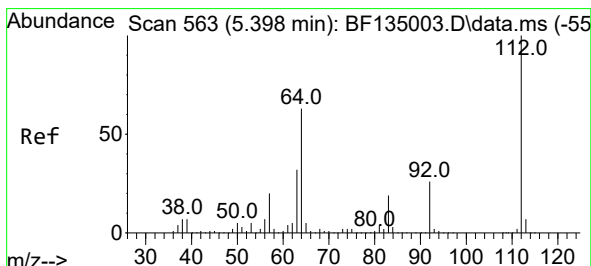
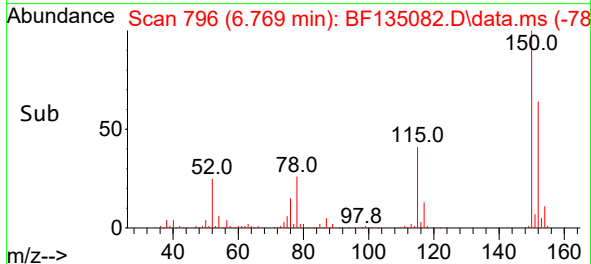
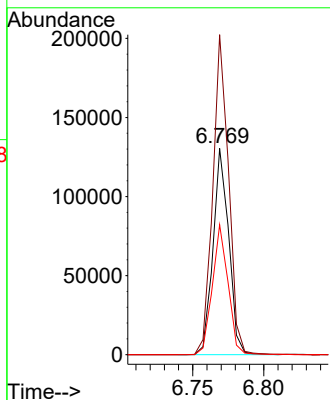
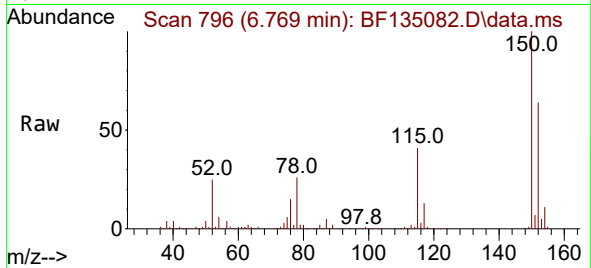




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.769 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

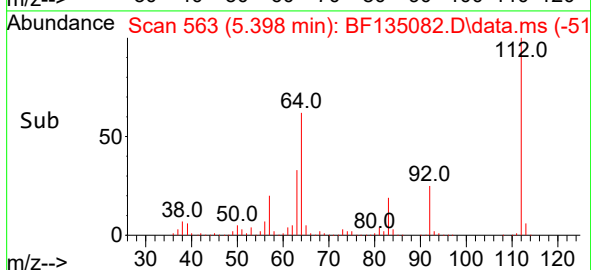
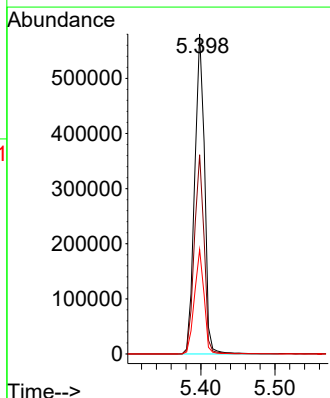
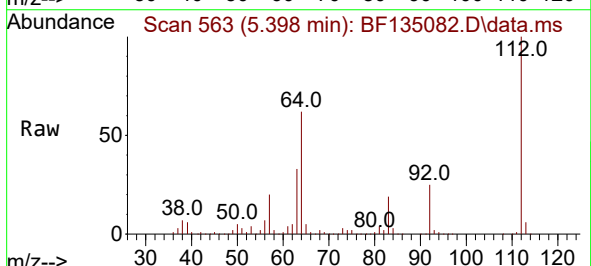
Instrument :
BNA_F
ClientSampleId :
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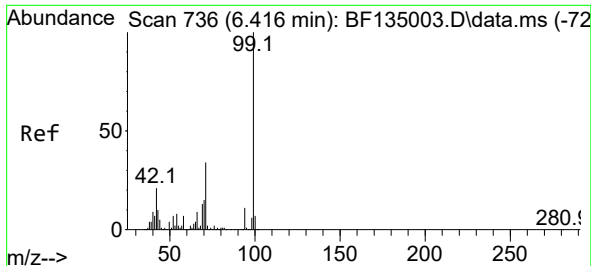
Tgt Ion:152 Resp: 100438
Ion Ratio Lower Upper
152 100
150 155.2 126.2 189.4
115 63.0 51.2 76.8



#5
2-Fluorophenol
Concen: 82.436 ng
RT: 5.398 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:112 Resp: 536037
Ion Ratio Lower Upper
112 100
64 62.2 50.5 75.7
63 32.6 25.9 38.9





#7
Phenol-d6
Concen: 80.217 ng
RT: 6.404 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

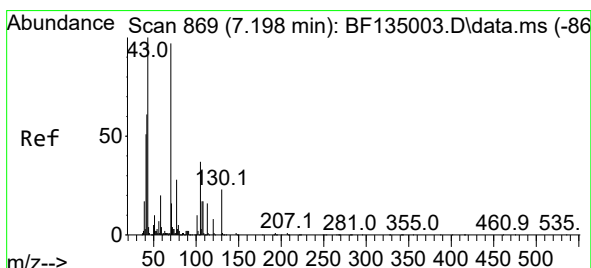
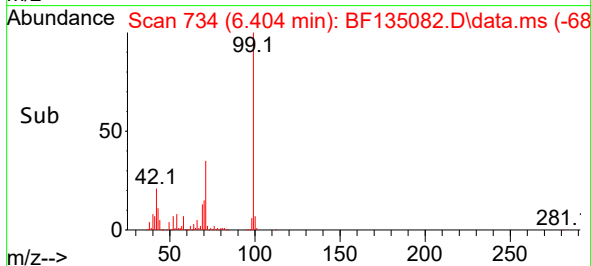
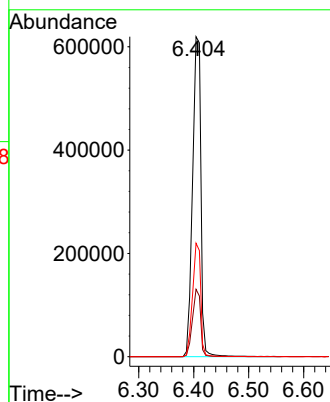
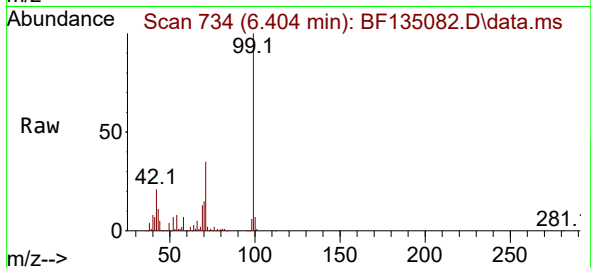
Instrument :

BNA_F

ClientSampleId :

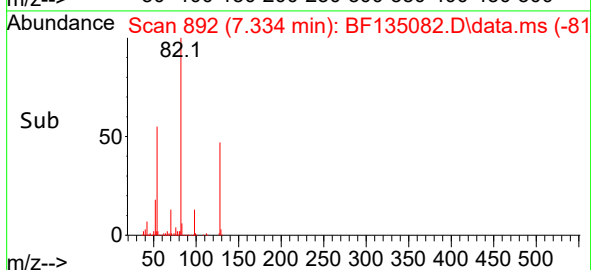
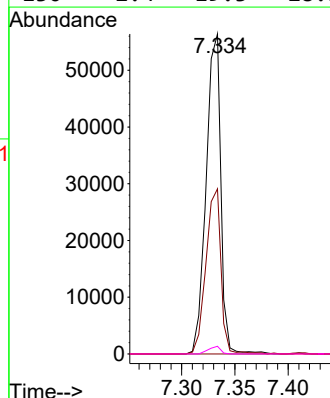
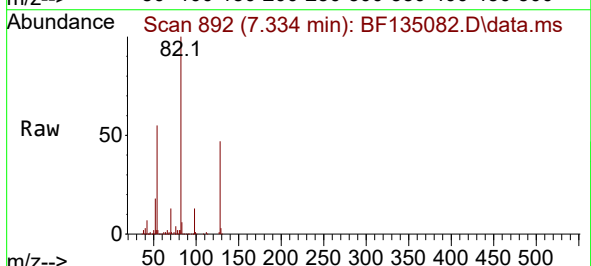
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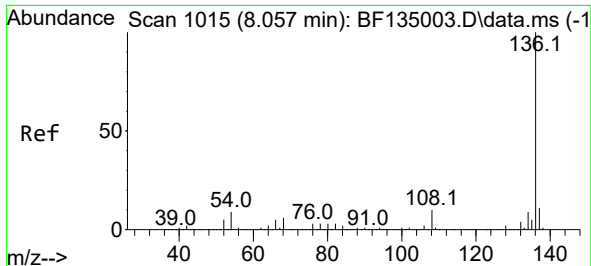
Tgt Ion: 99 Resp: 650148
Ion Ratio Lower Upper
99 100
42 21.1 16.6 25.0
71 35.4 27.0 40.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.269 ng
RT: 7.334 min Scan# 892
Delta R.T. 0.135 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion: 70 Resp: 54252
Ion Ratio Lower Upper
70 100
42 51.6 50.2 75.4
101 0.0 8.1 12.1#
130 2.4 19.3 28.9#

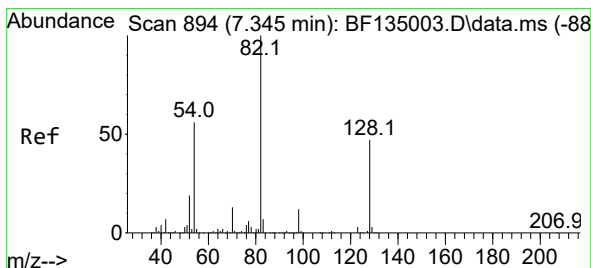
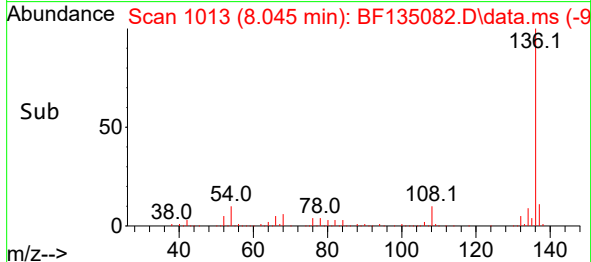
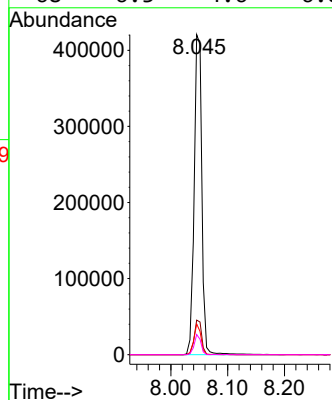
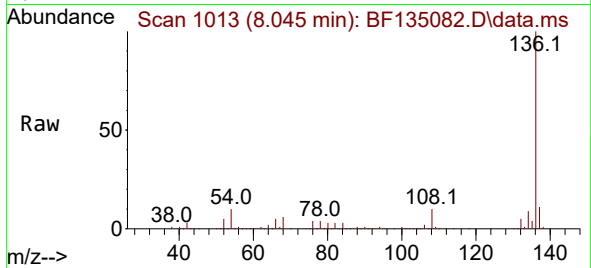




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.045 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

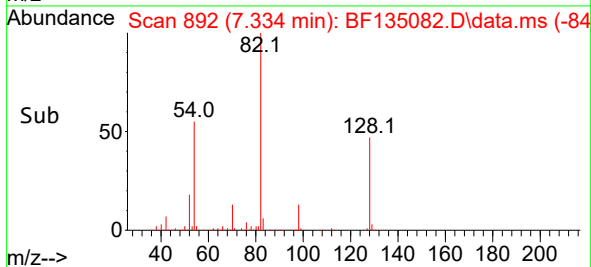
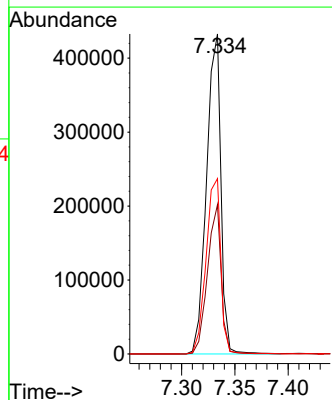
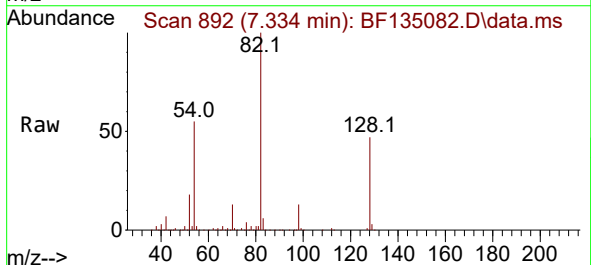
Instrument :
BNA_F
ClientSampleId :
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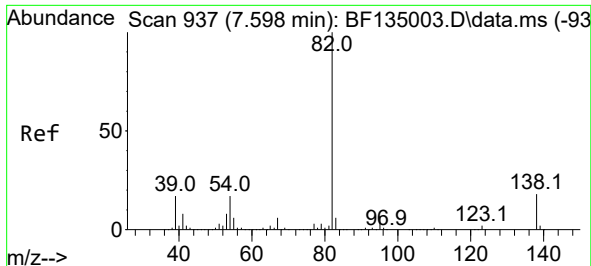
Tgt Ion:136	Resp: 396526
Ion Ratio	Lower Upper
136	100
137	10.8 8.8 13.2
54	9.6 7.0 10.4
68	6.3 4.6 6.8



#23
Nitrobenzene-d5
Concen: 57.682 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion: 82	Resp: 407125
Ion Ratio	Lower Upper
82	100
128	46.7 37.8 56.8
54	54.8 45.0 67.6

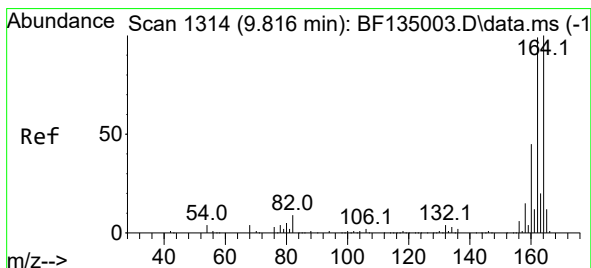
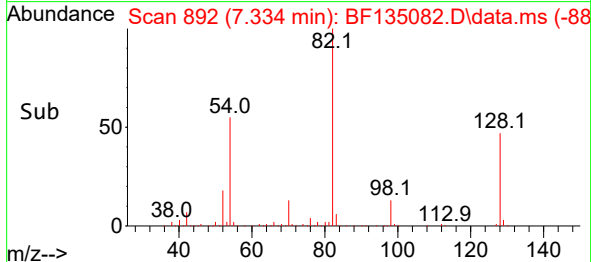
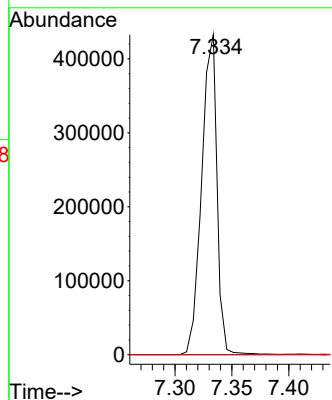
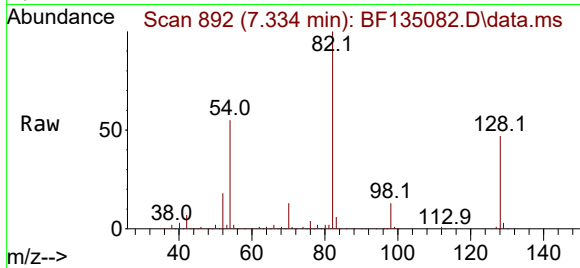




#25
Isophorone
Concen: 30.423 ng
RT: 7.334 min Scan# 892
Delta R.T. -0.265 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

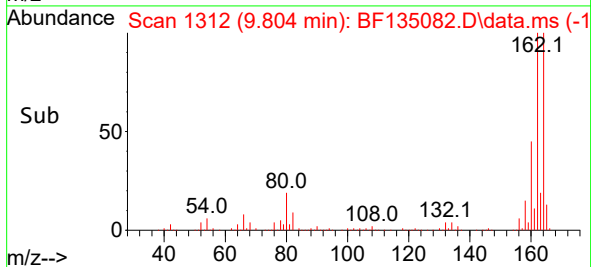
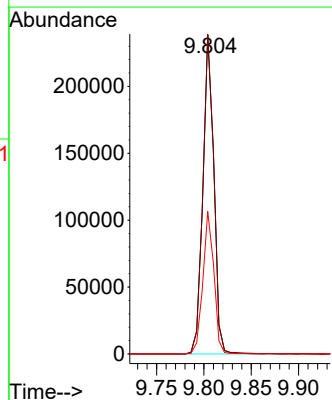
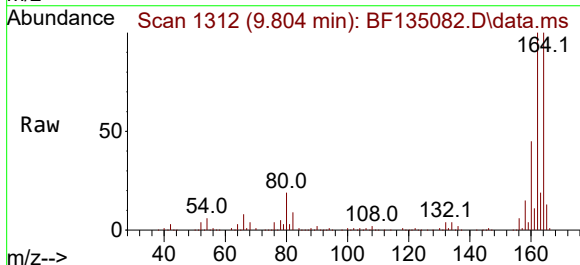
Instrument :
BNA_F
ClientSampleId :
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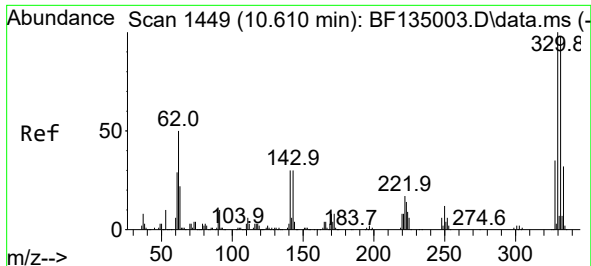
Tgt Ion: 82 Resp: 407120
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.804 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion: 164 Resp: 191590
Ion Ratio Lower Upper
164 100
162 100.3 79.5 119.3
160 44.7 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 75.596 ng

RT: 10.598 min Scan# 1447

Delta R.T. -0.012 min

Lab File: BF135082.D

Acq: 01 Sep 2023 18:14

Instrument :

BNA_F

ClientSampleId :

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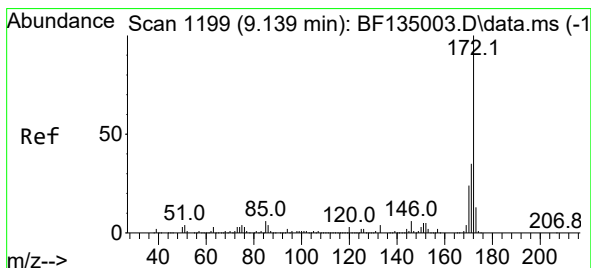
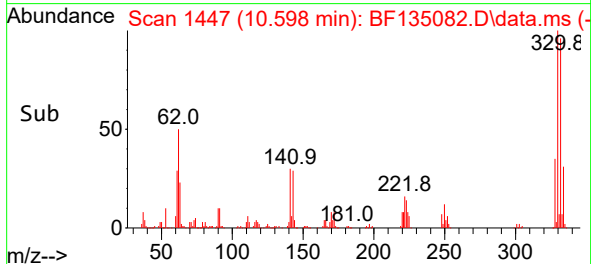
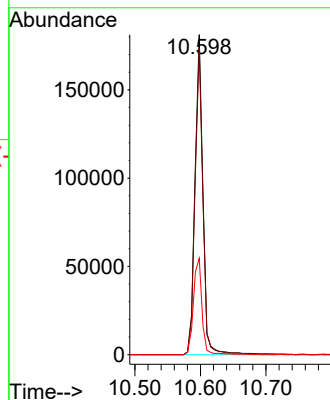
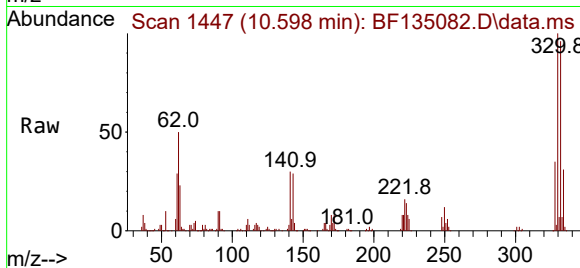
Tgt Ion:330 Resp: 153639

Ion Ratio Lower Upper

330 100

332 94.7 77.6 116.4

141 32.5 26.3 39.5



#45

2-Fluorobiphenyl

Concen: 61.496 ng

RT: 9.128 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF135082.D

Acq: 01 Sep 2023 18:14

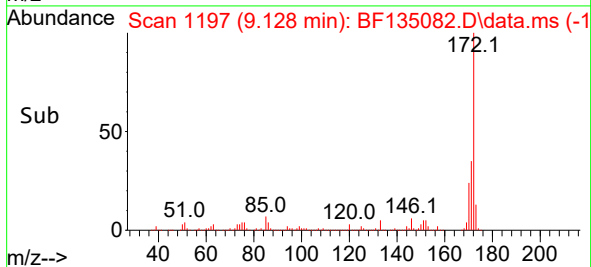
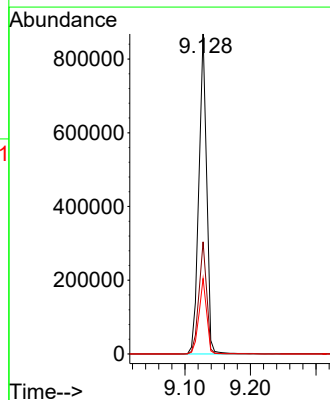
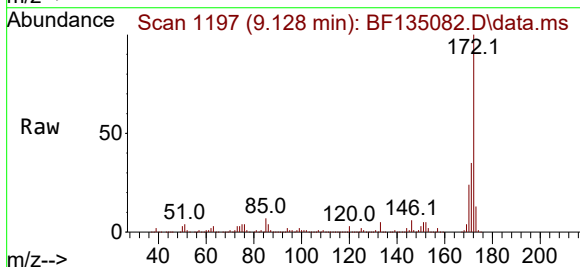
Tgt Ion:172 Resp: 723658

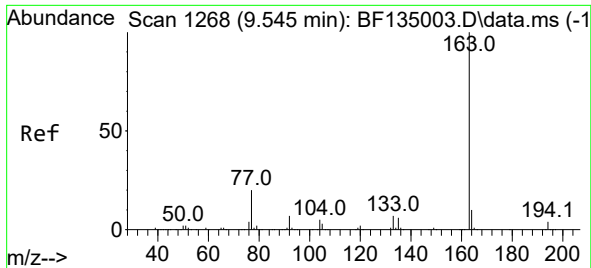
Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

170 23.6 19.0 28.4

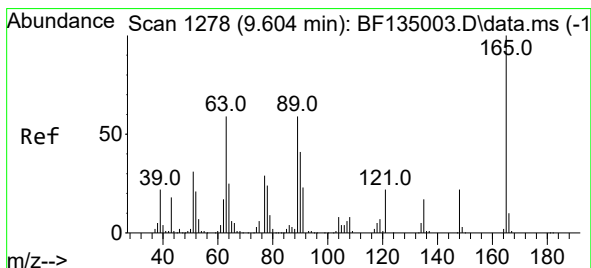
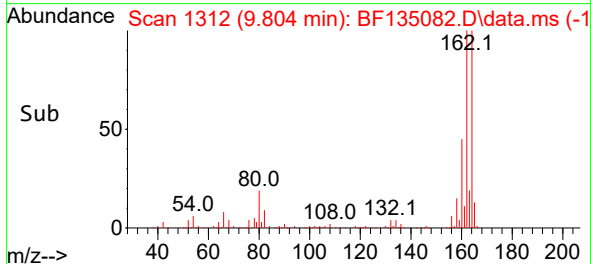
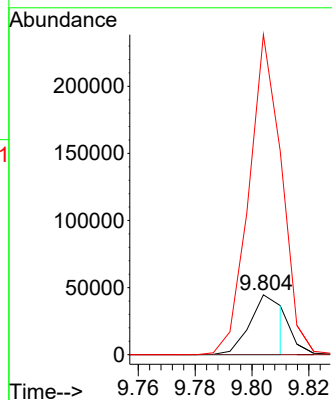
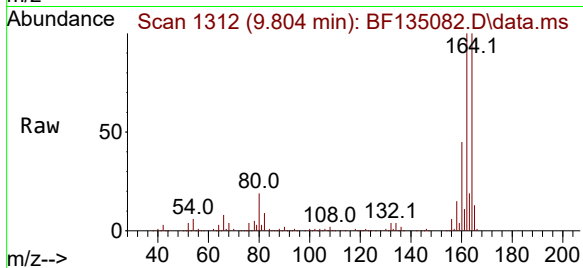




#50
Dimethylphthalate
Concen: 2.692 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.259 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

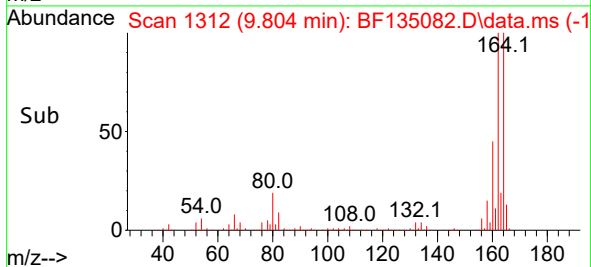
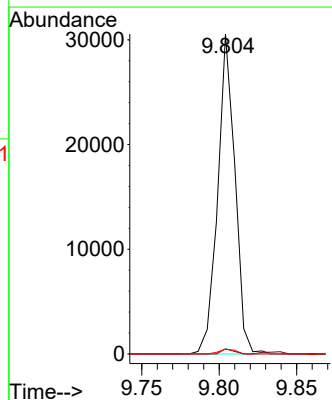
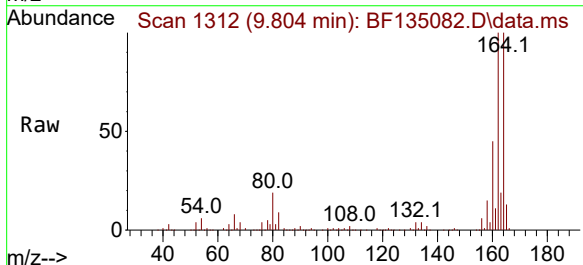
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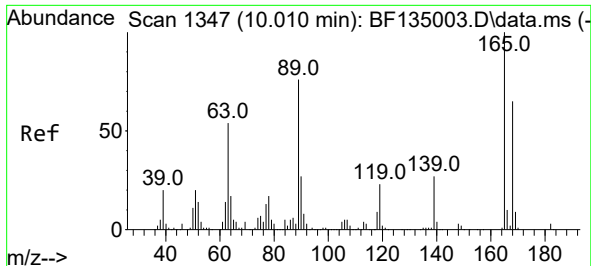
Tgt Ion:163 Resp: 36115
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 534.2 8.1 12.1#



#51
2,6-Dinitrotoluene
Concen: 8.029 ng
RT: 9.804 min Scan# 1312
Delta R.T. 0.200 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:165 Resp: 23636
Ion Ratio Lower Upper
165 100
63 1.6 50.4 75.6#
89 1.5 47.1 70.7#

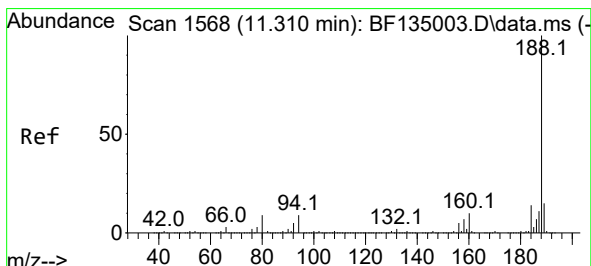
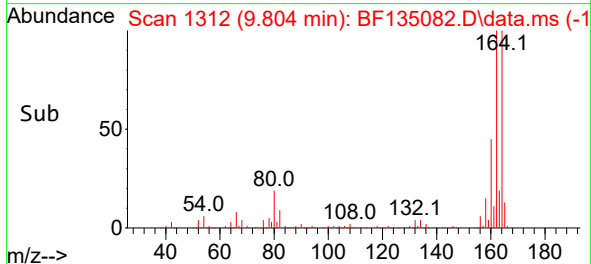
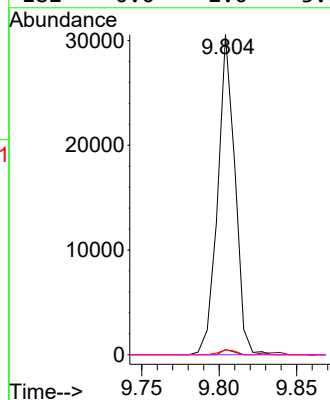
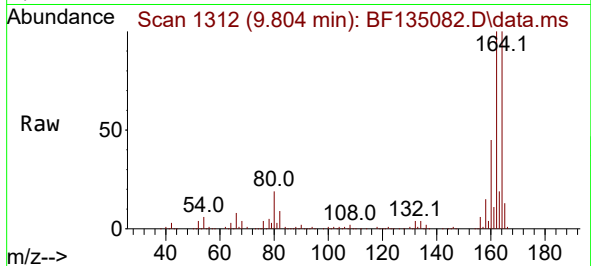




#57
2,4-Dinitrotoluene
Concen: 6.443 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

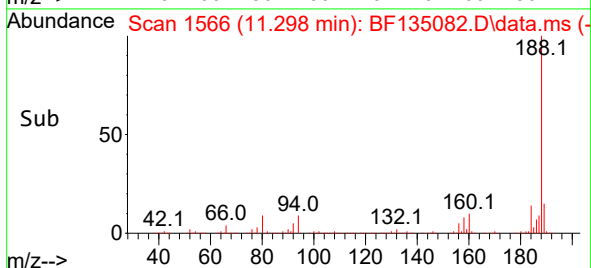
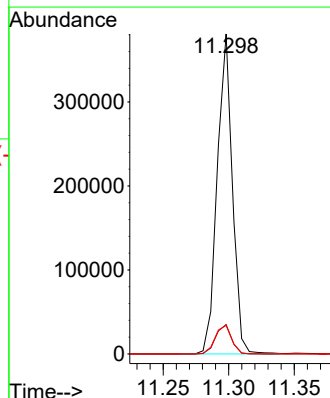
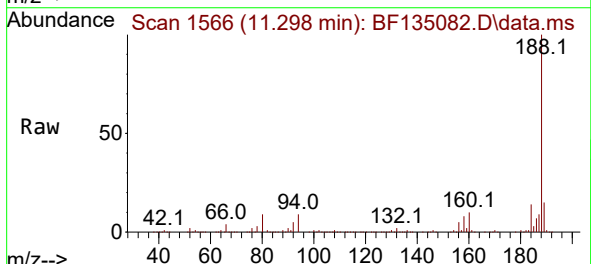
Instrument :
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ClientSampleId :
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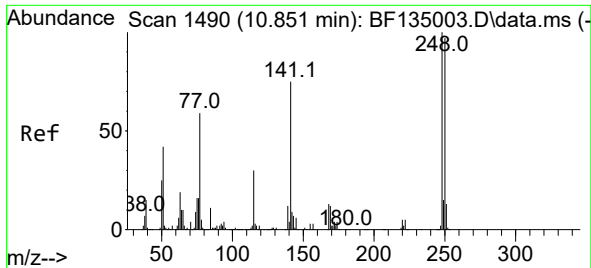
Tgt Ion:165 Resp: 23636
Ion Ratio Lower Upper
165 100
63 1.6 43.2 64.8#
89 1.5 60.8 91.2#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:188 Resp: 306119
Ion Ratio Lower Upper
188 100
94 9.2 7.0 10.4
80 8.9 7.4 11.2

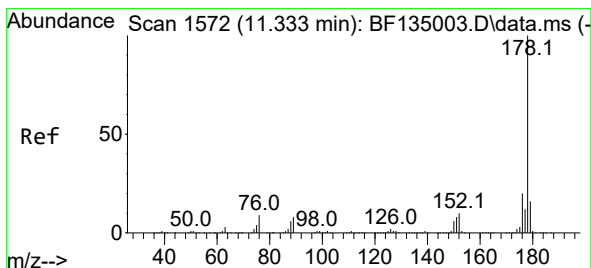
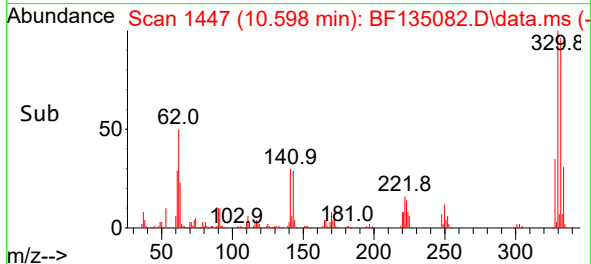
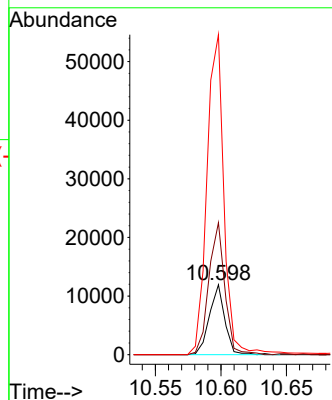
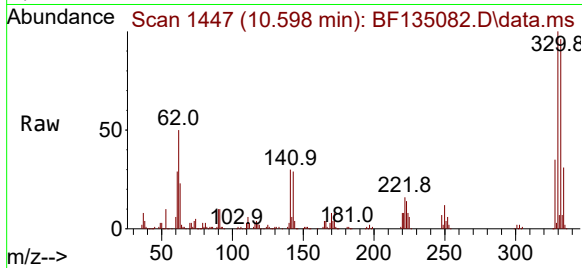




#67
4-Bromophenyl-phenylether
Concen: 3.029 ng
RT: 10.598 min Scan# 1490
Delta R.T. -0.253 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

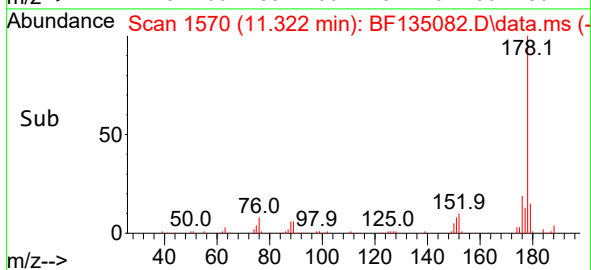
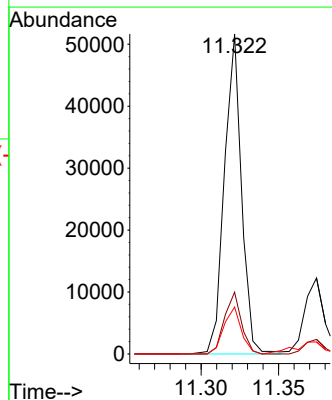
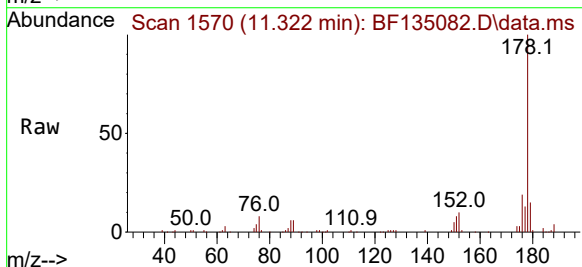
Instrument :
BNA_F
ClientSampleId :
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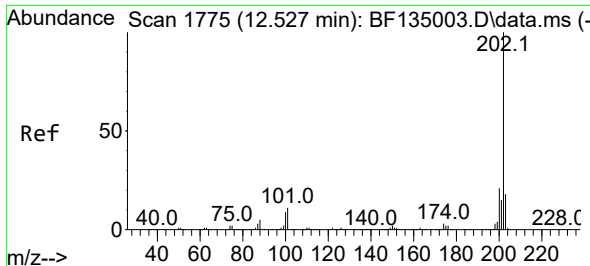
Tgt Ion:248 Resp: 9836
Ion Ratio Lower Upper
248 100
250 188.7 77.9 116.9#
141 457.6 59.8 89.8#



#71
Phenanthrene
Concen: 2.510 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:178 Resp: 39644
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 14.6 12.5 18.7

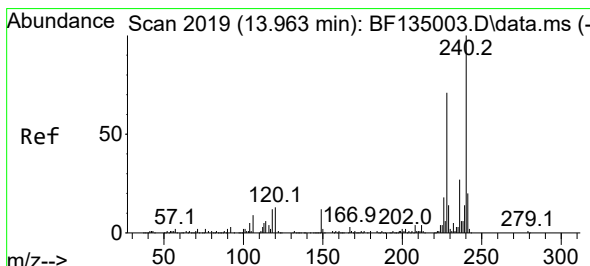
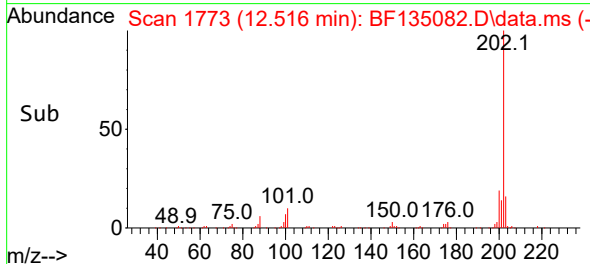
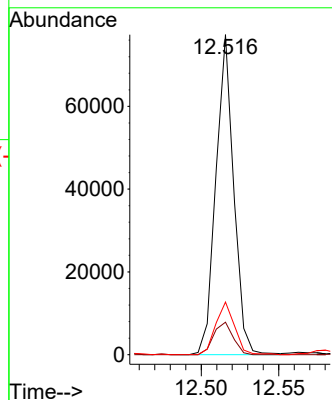
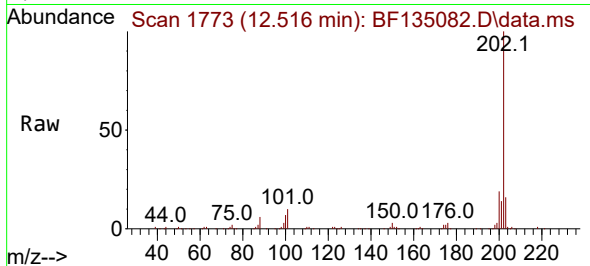




#75
Fluoranthene
Concen: 3.877 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

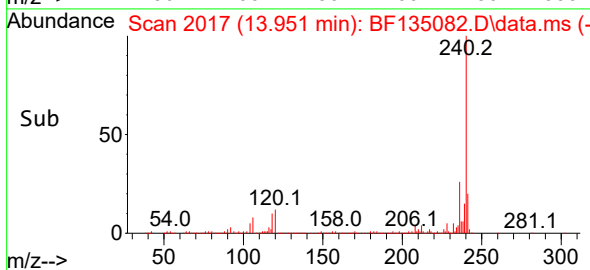
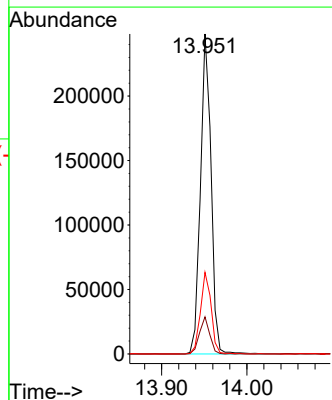
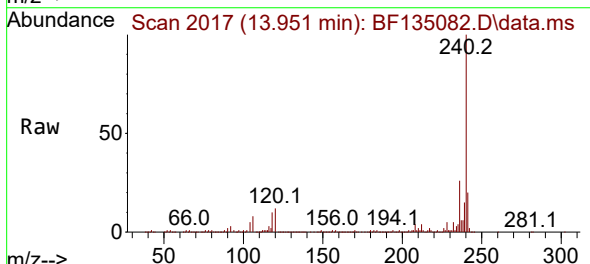
Instrument :
BNA_F
ClientSampleId :
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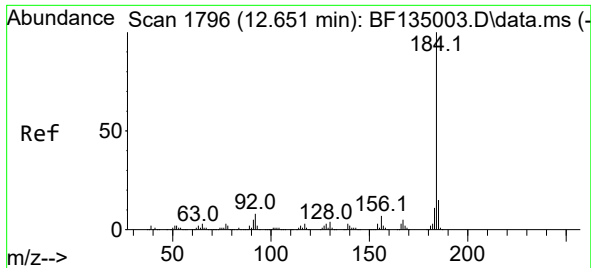
Tgt Ion:202 Resp: 61907
Ion Ratio Lower Upper
202 100
101 10.1 0.0 31.5
203 16.4 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:240 Resp: 214558
Ion Ratio Lower Upper
240 100
120 11.6 10.2 15.2
236 25.5 21.3 31.9

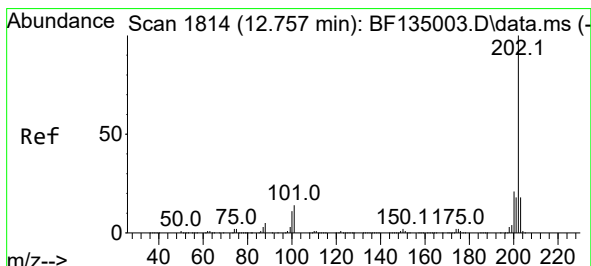
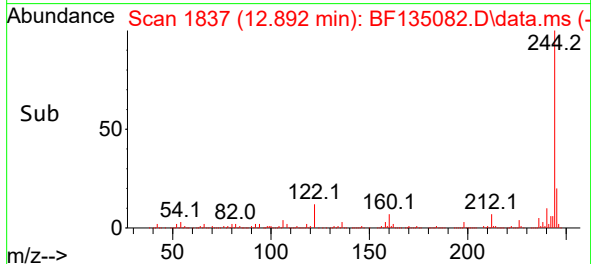
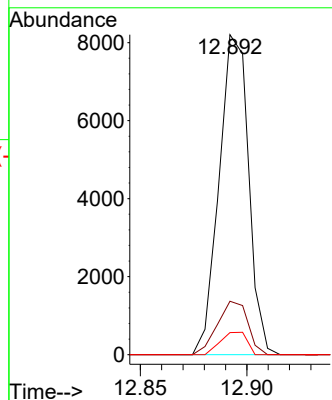
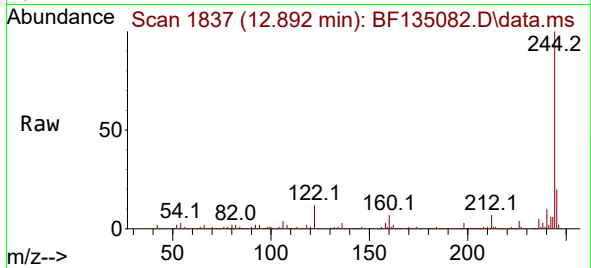




#77
Benzidine
Concen: 2.043 ng
RT: 12.892 min Scan# 1812
Delta R.T. 0.241 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

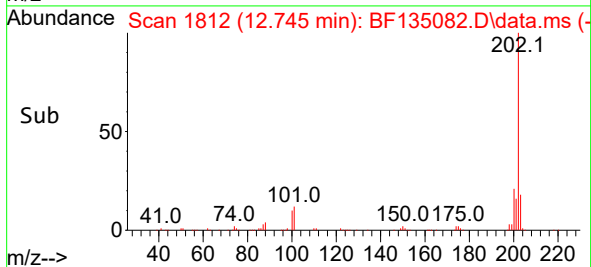
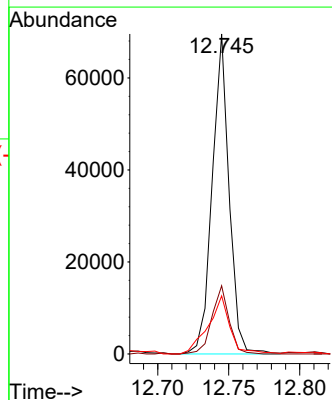
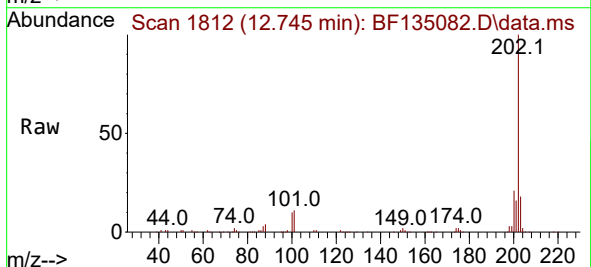
Instrument :
BNA_F
ClientSampleId :
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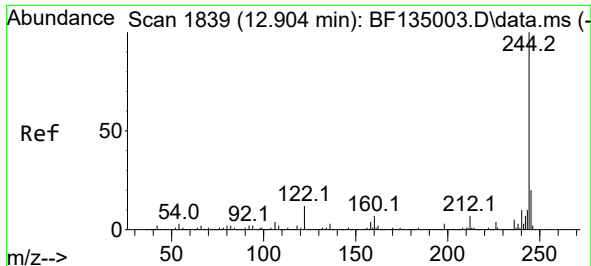
Tgt Ion:184 Resp: 7903
Ion Ratio Lower Upper
184 100
185 16.7 12.0 18.0
183 6.9 9.0 13.6#



#78
Pyrene
Concen: 2.835 ng
RT: 12.745 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:202 Resp: 57758
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 18.2 14.2 21.2

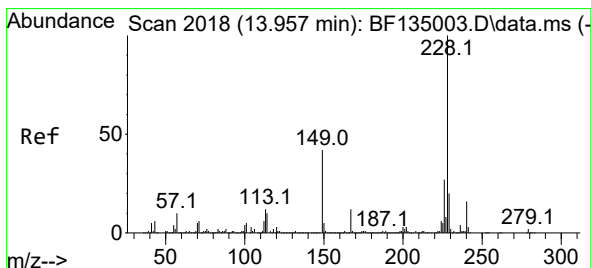
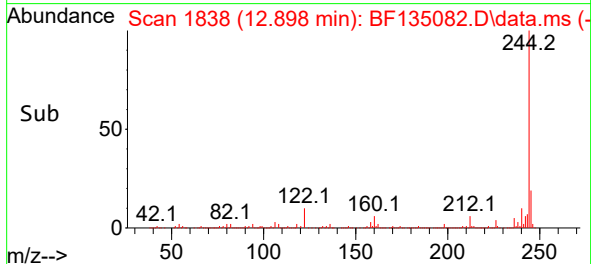
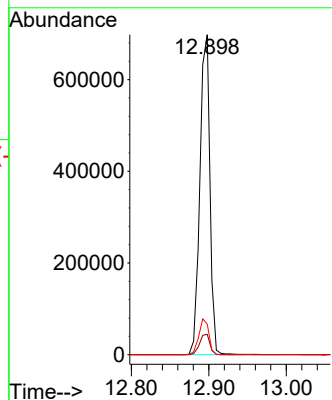
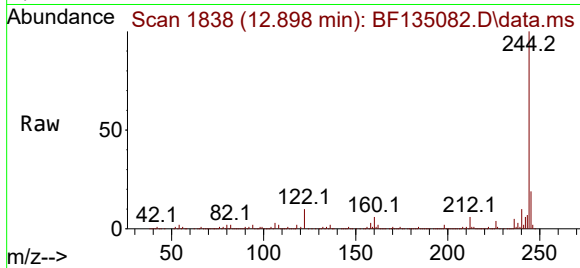




#79
 Terphenyl-d14
 Concen: 47.668 ng
 RT: 12.898 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF135082.D
 Acq: 01 Sep 2023 18:14

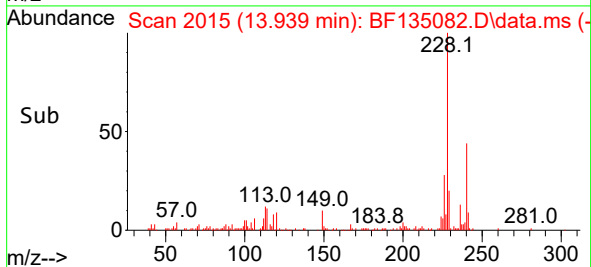
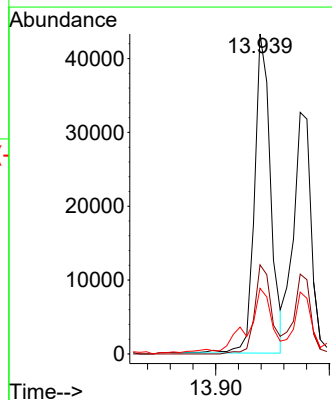
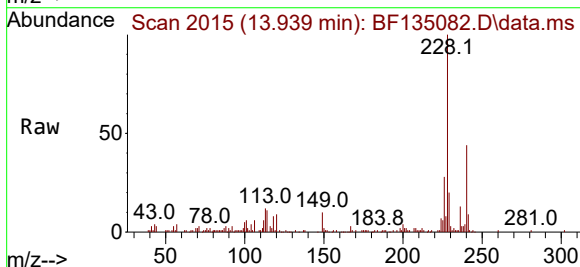
Instrument :
 BNA_F
 ClientSampleId :
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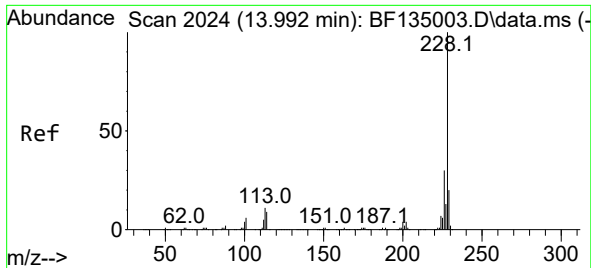
Tgt Ion:244 Resp: 626730
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 9.5 9.8 14.6#



#81
 Benzo(a)anthracene
 Concen: 2.910 ng
 RT: 13.939 min Scan# 2015
 Delta R.T. -0.018 min
 Lab File: BF135082.D
 Acq: 01 Sep 2023 18:14

Tgt Ion:228 Resp: 42587
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.6 32.4
 229 20.5 15.6 23.4

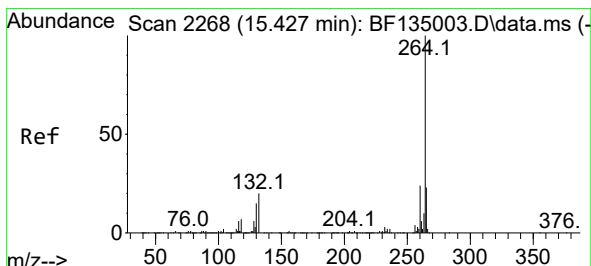
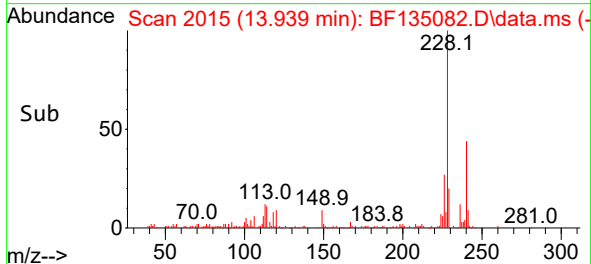
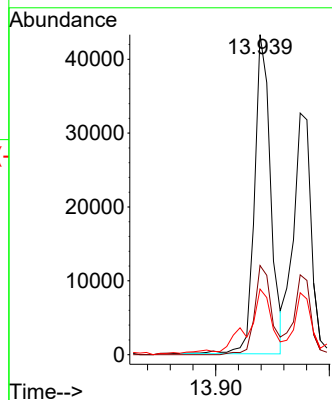
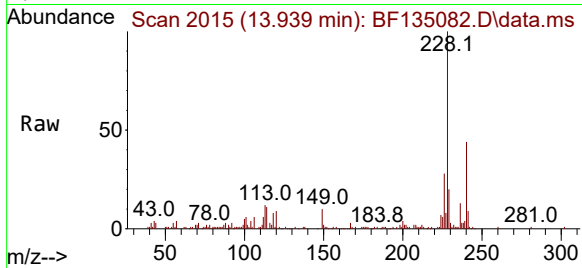




#83
Chrysene
Concen: 2.961 ng
RT: 13.939 min Scan# 20
Delta R.T. -0.053 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

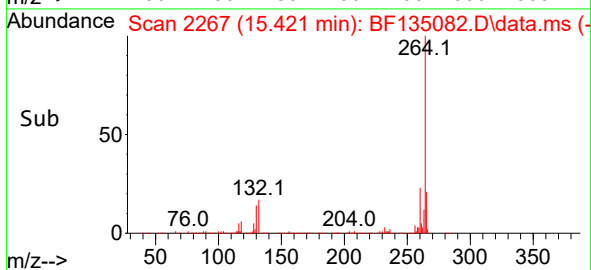
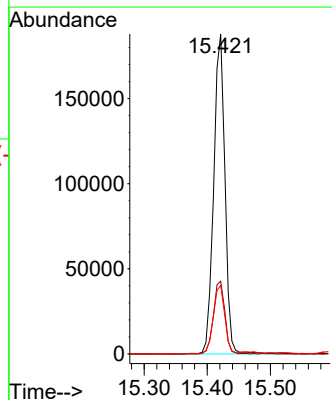
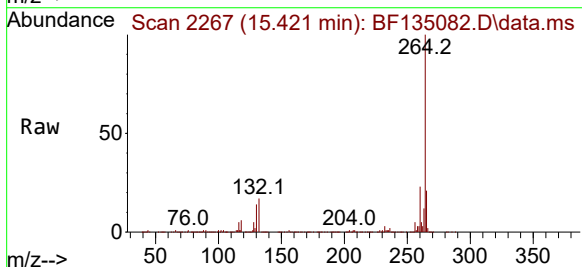
Instrument :
BNA_F
ClientSampleId :
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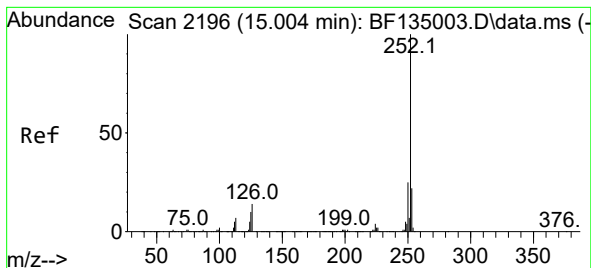
Tgt Ion:228 Resp: 42587
Ion Ratio Lower Upper
228 100
226 27.9 24.2 36.4
229 20.5 15.9 23.9



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF135082.D
Acq: 01 Sep 2023 18:14

Tgt Ion:264 Resp: 232801
Ion Ratio Lower Upper
264 100
260 22.8 19.0 28.6
265 21.4 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 4.514 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.012 min

Lab File: BF135082.D

Acq: 01 Sep 2023 18:14

Instrument :

BNA_F

ClientSampleId :

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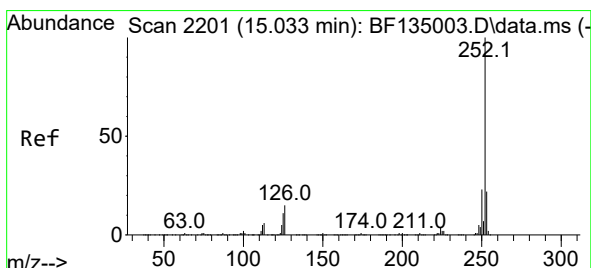
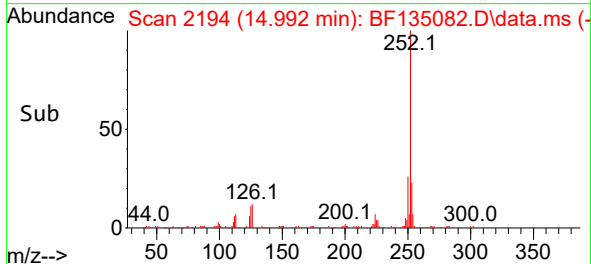
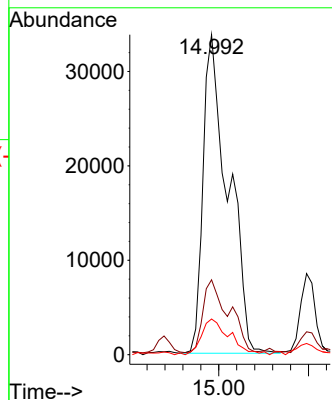
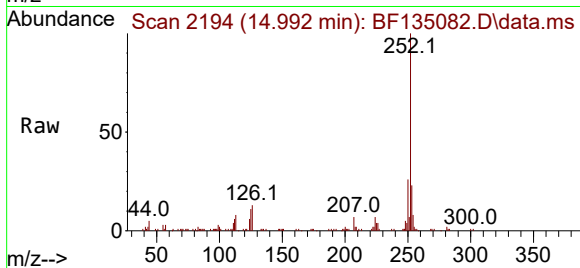
Tgt Ion:252 Resp: 65383

Ion Ratio Lower Upper

252 100

253 23.4 17.8 26.8

125 11.1 8.4 12.6



#89

Benzo(k)fluoranthene

Concen: 4.672 ng

RT: 14.992 min Scan# 2194

Delta R.T. -0.041 min

Lab File: BF135082.D

Acq: 01 Sep 2023 18:14

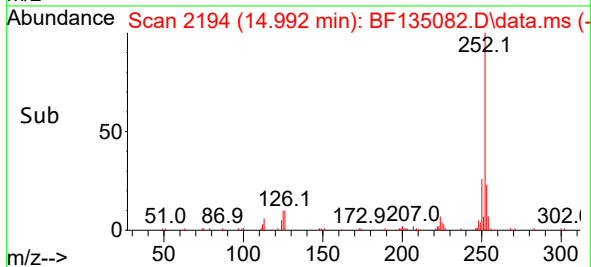
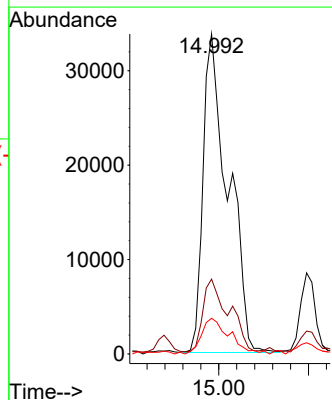
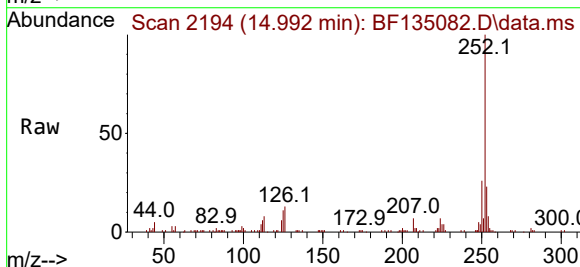
Tgt Ion:252 Resp: 65383

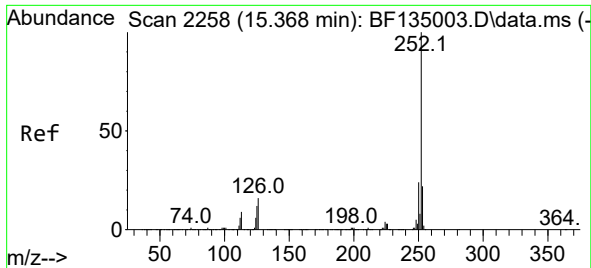
Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

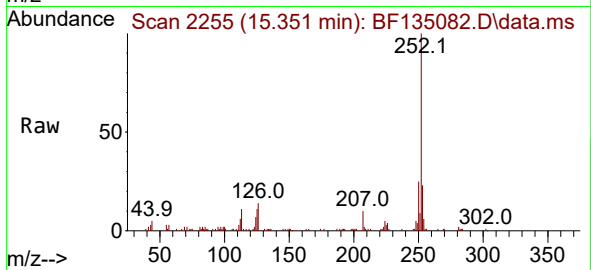
125 11.1 8.5 12.7





#90
 Benzo(a)pyrene
 Concen: 2.784 ng
 RT: 15.351 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF135082.D
 Acq: 01 Sep 2023 18:14

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:252 Resp: 37467
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.4 26.0
 125 10.8 9.5 14.3

